--14. A method for forming a device comprising steps of:

forming a first layer comprising silicon oxide on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of  $SiH_4$  and  $Si_2H_6$ ;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising at least organic silane, and

cleaning an inside of a reaction chamber in which said second layer has been formed.

15. A method of according to claim 14 wherein the cleaning step is carried out by using an etching gas comprising nitrogen fluoride.

16. A method of according to claim 14 wherein the cleaning of said inside of said reaction chamber is conducted by removing said second layer therefrom in accordance with a reaction,  $3SiO_2 + 4NF_3 \rightarrow 3SiF_4 + 2N_2 + 3O_3$ .

- 17. A method of according to claim 14 wherein said organic silane is TEOS.
- 18. A method of according to claim 14 wherein the CVD for forming the first layer is a photo CVD.

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19. A method for forming a device comprising steps of:

forming a first layer comprising silicon nitride on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of  $SiH_4$  and  $Si_2H_6$ ;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising at least organic silane, and

cleaning an inside of a reaction chamber in which said second layer has been formed.

20. A method of according to claim 19 wherein the cleaning step is carried out by using an etching gas comprising nitrogen fluoride.

21. A method of according to claim 19 wherein the cleaning of said inside of said reaction chamber is conducted by removing said second layer therefrom in accordance with a reaction,  $3SiO_2 + 4NF_3 \rightarrow 3SiF_4 + 2N_2 + 3O_3$ .

- 22. A method of according to claim 19 wherein said organic silane is TEOS.
- 23. A method of according to claim 19 wherein the CVD for forming the first layer is a photo CVD.

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24. A method for forming a device comprising steps of:

forming a first layer comprising silicon oxide on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of  $SiH_4$  and  $Si_2H_6$ ;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising TEOS and nitrogen oxide.

- 25. A method of according to claim 24 wherein the CVD for forming the first layer is a photo CVD.
- 26. A method of according to claim 24 wherein said nitrogen oxide is  $N_2O$ .
  - 27. A method for forming a device comprising steps of:

forming a first layer comprising silicon nitride on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of SiH<sub>4</sub> and Si<sub>2</sub>H<sub>6</sub>;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising TEOS and nitrogen oxide.

28. A method of according to claim 27 wherein the CVD for forming the first layer is a photo CVD.

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- 29. A method of according to claim 27 wherein said nitrogen oxide is  $N_2O$ .
  - 30. A method for forming a device comprising steps of:

forming a first layer comprising silicon oxide on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of SiH<sub>4</sub> and Si<sub>2</sub>H<sub>6</sub>;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising TEOS and oxygen.

- 31. A method of according to claim 30 wherein the CVD for forming the first layer is a photo CVD.
  - 32. A method for forming a device comprising steps of:

forming a first layer comprising silicon nitride on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of SiH<sub>4</sub> and Si<sub>2</sub>H<sub>6</sub>;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising TEOS and oxygen.

33. A method of according to claim 32 wherein the CVD for forming the first layer is a photo CVD.

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34. A method for forming a device comprising steps of:

forming a first layer comprising silicon oxide on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of  $SiH_4$  and  $Si_2H_6$ ;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising TEOS and nitrogen oxide, and

cleaning an inside of a reaction chamber in which said second layer has been formed.

- 35. A method of according to claim 34 wherein the cleaning step is carried out by using an etching gas comprising nitrogen fluoride.
- 36. A method of according to claim 34 wherein said nitrogen oxide is  $N_2O$ .
- 37. A method of according to claim 34 wherein the cleaning of said inside of said reaction chamber is conducted by removing said second layer therefrom in accordance with a reaction,  $3SiO_2 + 4NF_3 \rightarrow 3SiF_4 + 2N_2 + 3O_3$ .
- 38. A method of according to claim 34 wherein the CVD for forming the first layer is a photo CVD.

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A method for forming a device comprising steps of:

forming a first layer comprising silicon oxide on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of SiH<sub>4</sub> and Si<sub>2</sub>H<sub>6</sub>;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising TEOS and oxygen, and cleaning an inside of a reaction chamber in which said second layer has been formed.

40. A method of according to claim 38 wherein the cleaning step is carried out by using an etching gas comprising nitrogen fluoride.

41. A method of according to claim 38 wherein the cleaning of said inside of said reaction chamber is conducted by removing said second layer therefrom in accordance with a reaction,  $3SiO_2 + 4NF_3 \rightarrow 3SiF_4 + 2N_2 + 3O_3$ .

A method of according to claim 38 wherein the CVD for forming the first layer is a photo CVD.

43. A method for forming a device comprising steps of:
forming a first layer comprising silicon nitride on a surface by
CVD using a first reactive gas containing a gas selected from the group
consisting of SiH<sub>4</sub> and Si<sub>2</sub>H<sub>6</sub>;

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forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising TEOS and nitrogen oxide, and

cleaning an inside of a reaction chamber in which said second layer has been formed.

- 44. A method of according to claim 43 wherein the cleaning step is carried out by using an etching gas comprising nitrogen fluoride.
- 45. A method of according to claim 43 wherein said nitrogen oxide is  $N_2O$ .
- 46. A method of according to claim 43 wherein the cleaning of said inside of said reaction chamber is conducted by removing said second layer therefrom in accordance with a reaction,  $3SiO_2 + 4NF_3 \rightarrow 3SiF_4 + 2N_2 + 3O_3$ .
- 47. A method of according to claim 43 wherein the CVD for forming the first layer is a photo CVD.
  - 48. A method for forming a device comprising steps of:

forming a first layer comprising silicon nitride on a surface by CVD using a first reactive gas containing a gas selected from the group consisting of  $SiH_4$  and  $Si_2H_6$ ;

forming a second layer comprising silicon oxide on said first layer by plasma CVD using a second reactive gas comprising TEOS and oxygen, and

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cleaning an inside of a reaction chamber in which said second layer has been formed.

- 49. A method of according to claim 48 wherein the cleaning step is carried out by using an etching gas comprising nitrogen fluoride.
- 50. A method of according to claim 48 wherein said nitrogen oxide is  $N_2O$ .
- 51. A method of according to claim 48 wherein the cleaning of said inside of said reaction chamber is conducted by removing said second layer therefrom in accordance with a reaction,  $3SiO_2 + 4NF_3 \rightarrow 3SiF_4 + 2N_2 + 3O_3$ .
- 52. A method of according to claim 48 wherein the CVD for forming the first layer is a photo CVD.--

## **REMARKS**

The Office Action of January 26, 1999 was received and carefully reviewed. Reconsideration and withdrawal of the currently pending rejections are requested for the reasons advanced in detail below.

Claims 1-13 were pending prior to the instant amendment. By this amendment, new claims 14-52 are added to recite additional features of the present invention to which Applicants are entitled. Consequently, claims 1-52 are currently pending in the instant application.

By May 19

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